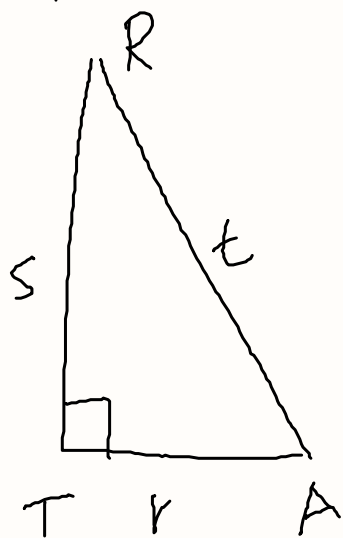


p. 625 #7



$$\sin A = \frac{s}{t}$$

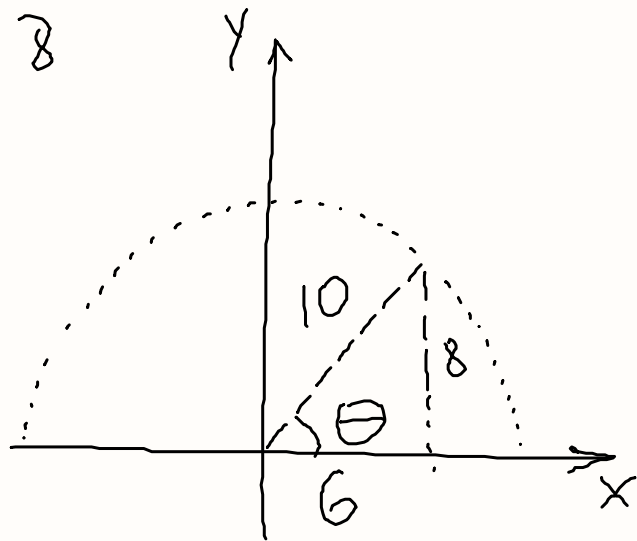
$$\tan A = \frac{\sin A}{\cos A}$$

$$\cos A = \frac{r}{t}$$

$$\tan A = \frac{s}{r}$$

$$\tan A = \frac{s}{t} \div \frac{r}{t} = \frac{s}{\cancel{t}} \cdot \frac{\cancel{t}}{r} = \frac{s}{r}$$

# 8



$$\sin \theta = \frac{8}{10} = \frac{4}{5}$$

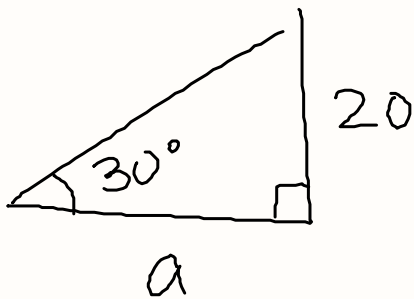
$$\cos \theta = \frac{6}{10} = \frac{3}{5}$$

$$\tan \theta = \frac{8}{6} = \frac{4}{3}$$

$$\tan \theta = \frac{\sin \theta}{\cos \theta} =$$

$$= \frac{4}{5} \div \frac{3}{5} = \frac{4}{3}$$

(14)



$\tan$	$30$
--------	------

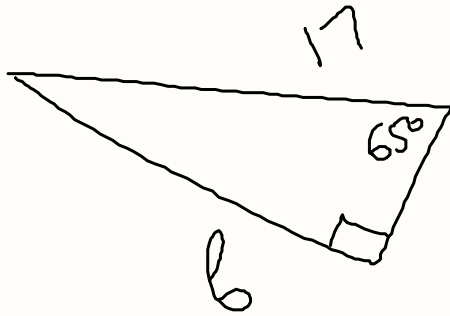
$$\tan 30^\circ = \frac{20}{a}$$

$$0.577 = \frac{20}{a}$$

$$0.577a = 20$$

$$a = \frac{20}{0.577} = 35$$

(15)



$$0.91 = \frac{b}{17}$$

$$\frac{0.91}{1} = \frac{b}{17}$$

$$\sin 65^\circ = \frac{b}{17}$$

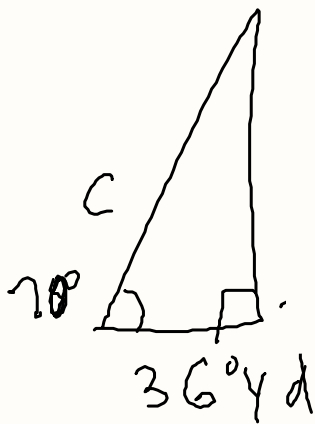
$$\frac{0.91}{1} = \frac{b}{17}$$

$$0.91 \cdot 17 = b$$

$$b = 15.47$$

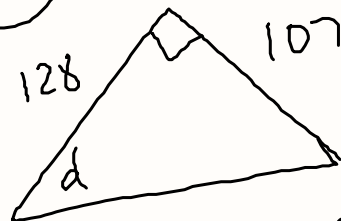
$$b = 0.91 \cdot 17$$

(16)



$$\cos 70^\circ =$$

(17)



$$\tan d = \frac{107}{128}$$

$$\tan^{-1}$$

HOME p. 625 #9

18 cos

$$AB = \sqrt{24^2 + 7^2}$$

19 sin